transfer means, responsive to detection of an insect at said point by said sensor, for transferring the detected insect into said collector.

14. A trap for collecting insects as in claim **13**, wherein said sensor comprises:

an optical transmitter; and

an optical detector aligned to receive light from said optical transmitter; wherein

said optical detector detects the presence of an insect at said specific point by sensing an interruption of the light from said optical transmitter.

15. A trap for collecting insects as in claim **14**, wherein said optical transmitter is an infrared transmitter, and said optical receiver is an infrared receiver.

16. A trap for collecting insects as in claim **13**, wherein said sensor comprises an infrared sensor.

17. A trap for collecting insects as in claim **13**, wherein said transfer means comprise:

a fan;

a motor for driving said fan; and

a trigger circuit, responsive to said sensor detecting the presence of an insect, for producing a signal to activate said motor for a prescribed period.

18. A trap for collecting insects as in claim **17**, wherein said transfer means further comprises a suction tube having an inlet thereof adjacent said specific point; wherein said fan produces an air flow through said suction tube to draw an insect from said specific point, through said suction tube and into said collector.

19. A trap for collecting gravid mosquitos, comprising:

a smooth surfaced vessel containing oviposition attractant;

a strip of rough material mounted on the vessel and extending above the surface of the oviposition attractant;

an infrared transmitter and an aligned infrared detector adjacent said strip above the surface of the oviposition attractant;

a circuit producing a trigger signal in response to detection of an interruption in the infrared transmission by said infrared transmitter;

a suction tube;

a collecting tube;

a fan coupled to produce an air flow through said suction tube and said collecting tube; and

a motor driving said fan responsive to said trigger signal, such that the air flow produced by said fan draws a mosquito from said strip through said suction tube and into said collecting tube.

20. A method for collecting gravid insects, comprising the steps of:

providing oviposition attractant in a vessel;

automatically detecting that a gravid insect is present at a specific point in said vessel just above the surface of said attractant;

in response to the detection of a gravid insect at said point, activating a fan for a prescribed period to transfer the detected gravid insect into a collector.

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